

APPENDIX A

83. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:1.

84. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:4.

85. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:8.

86. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO: 10.

87. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:12.

88. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:14.

89. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:62.

90. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:64.

91. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:2, wherein the nucleic acid molecule comprises a nucleotide sequence which

hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:1 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

92. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:5, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:4 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

93. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:9, and does not comprising an amino acid sequence corresponding to an immunoglobulin variable region-like domain, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:8 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

94. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:11, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:10 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

95. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:13, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:12 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

96. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:15, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:14 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

97. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:63, and does not comprise an amino acid sequence corresponding to an immunoglobulin constant region-like domain, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:62 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

98. An isolated nucleic acid molecule encoding a B7-1 or B7-2 protein which binds to CD28 or CTLA4 and comprises an amino acid sequence of SEQ ID NO:65, wherein the nucleic acid molecule comprises a nucleotide sequence which hybridizes to a complement of a nucleic acid molecule consisting of SEQ ID NO:64 in 5X SSC and 0.5% SDS at 55 °C, followed by one or more washes in 2X SSC at 55 °C.

99. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:6.

100. An isolated nucleic acid molecule consisting of the nucleotide sequence of SEQ ID NO:7.